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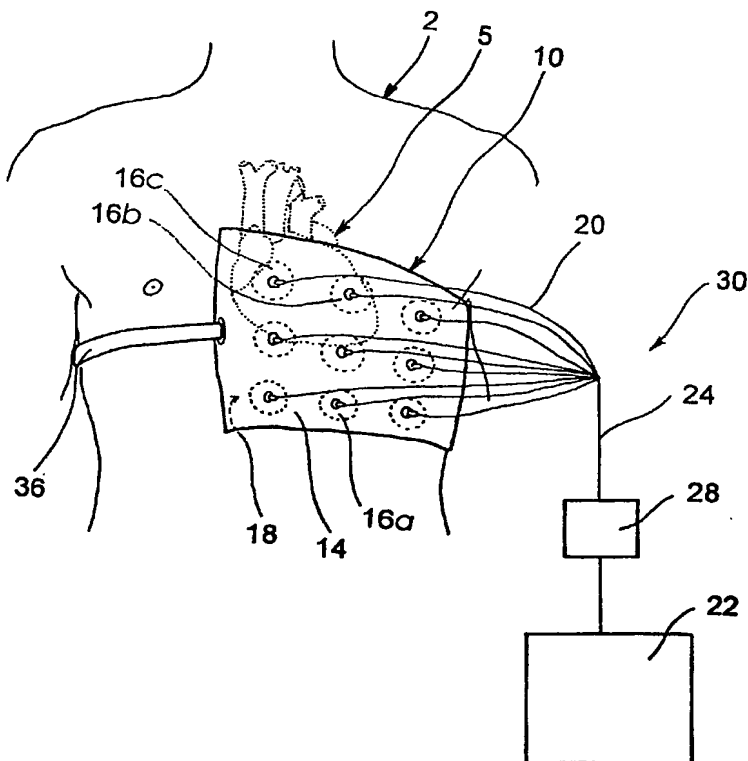
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(54) Title: **ULTRASOUND DEVICES AND METHODS FOR TREATING ISCHEMIA AND OTHER CARDIOVASCULAR DISORDERS**



(57) Abstract: Therapeutic ultrasound devices and methods are provided. The device generally includes a substrate, for example, a flexible substrate, and multiple, individual transducer elements disposed on a face of the substrate. The device may be provided as a part of an ultrasound system for that includes a generator unit and a controller including drive electronics. The device may be structured to enable individual control, manual or automatic, over each of the ultrasound transducer elements in order to allow a physician or technician to provide the most effective individualized treatment to a patient. The devices and methods are especially useful for treatment of ischemia and hypoxia using ultrasound levels that are generally no greater than those used for diagnostic purposes.

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